



00MEL1-Sequence Data on CRF.WorkFile

Individual Applicant

Street : Specklesteinstrasse 55
City : Eukirchen
State :
Country : Germany
PostalCode :
PhoneNumber :
FaxNumber :
EmailAddress :

<110> LastName : Happe
<110> FirstName : Thomas
<110> MiddleInitial :
<110> Suffix :

Application Project

<120> Title : Hydrogen Production
<130> AppFileReference : 01MEL1
<140> CurrentAppNumber : 10/077,699
<141> CurrentFilingDate : 2002-02-15

Sequence

<213> OrganismName : Scenedesmus obliquus
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<211> Length : 5001

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SequenceDescription :

Sequence

<213> OrganismName : Chlamydomonas reinhardtii

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<211> Length : 5208

SequenceName : Sequence # 2

SequenceDescription :

Sequence

<213> OrganismName : Chlorella fusca

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00MEL1-Sequence Data on CRF.WorkFile

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<212> Type : DNA

<211> Length : 3265

SequenceName : Sequence # 3

SequenceDescription :

Sequence

<213> OrganismName : Scenedesmus obliquus

<400> PreSequenceString :

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LTIMEEGTEL	LHRLQDHLEQ	HPNKEEPLPM	FTSCCPGWVA	MVEKSNPELI	PYLSSCKSPQ	180
MMLGAVIKNY	FAAEAGAKPE	DICNVSVMP	VRKQGEADRE	WFNTTGAGGA	NVDHVMTTAE	240
LGKIFVERGI	KLNDLQETPF	DNPVGESEGG	VLFGTTGGVM	EAALRTVYEV	VTQKPLDRIV	300
FEDVRGLEGI	KESTLHLTPG	PTSPFKAFAG	ADGTGITLNI	AVANGLGNAK	KLIKQLAAGE	360
SKYDFIEVMA	CPGGCIGGGG	QPRSADKQIL	QKRQAAMYDL	DERAVIRRS	ENPLIGALYE	420
KFLGEPNGHK	AHELLHTHYV	AGGVPDEK				448

<212> Type : PRT

<211> Length : 448

SequenceName : Sequence # 4

SequenceDescription :

Sequence

<213> OrganismName : Chlamydomonas reinhardtii

<400> PreSequenceString :

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AEAPLSHVQ	ALAELAKPKD	DPTRKHVCVQ	VAPAVRVAIA	ETLGLAPGAT	TPKQLAEGLR	120
RLGFDEVFDT	LFGADLTIME	EGSELLHRLT	EHLEAHPHSD	EPLPMFTSCC	PGWIAMLEKS	180
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ADPTLRQLDH	VITTVELGNI	FKERGINLAE	LPEGEWDNPM	GVGSGAGVLF	GTTGGVMEAA	300
LRTAYELFTG	TPLPRLSLSE	VRGMDGIKET	NITMVPAPGS	KFEELLKHRA	AARAEAAAHG	360
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CVGGGGQPRS	TDKAITQKRQ	AALYNLDEKS	TLRRSHENPS	IRELYDTYLG	EPLGHKAHEL	480
LHTHYVAGGV	EEKDEKK					497

<212> Type : PRT

<211> Length : 497

SequenceName : Sequence # 5

SequenceDescription :

Sequence

<213> OrganismName : Chlorella fusca

<400> PreSequenceString :

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00MEL1-Sequence Data on CRF.WorkFile

QIASAVRVAI	AETIGLAPGD	VTIGQLVTGL	RMLGFDYVFD	TLFGADLTIM	EEGTELLHRL	120
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ELPESNFDNP	IGEGTGGALL	FGTTGGVMEA	ALRTVYEVVT	QKPMGRVDFE	EVRGLEGIKE	300
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<212> Type : PRT

<211> Length : 436

SequenceName : Sequence # 6

SequenceDescription :

Sequence

<213> OrganismName : Scenedesmus obliquus

<400> PreSequenceString :

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tctcaagcag	cgctcggtat	gcctgagtgg	caaccgggag	gtcggtagtc	tgtttctgtc	180
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<212> Type : RNA

<211> Length : 2636

00MEL1-Sequence Data on CRF.WorkFile
 SequenceName : Sequence # 7
 SequenceDescription :

Sequence

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<213> OrganismName : Chlamydomonas reinhardtii
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GCACCACCTA TTATTTCTAA TATCGTAGAC GCGACAAGAT GTCGGCGCTC GTGCTGAAGC    180
CCTGCGCGGC CGTGTCTATT CGCGGCAGCT CCTGCAGGGC GCGGCAGGTC GCGGGCCGCG    240
CTCCGCTCGC AGCCAGCACC GTGCGGTAG CCCTTGCAAC ACTTGAGGCG CCCGCACGCC    300
GCCTAGGCAA CGTCGCTTGC GCGGCTGCCG CACCCGCTGC GGAGGCGCCT TTGAGTCATG    360
TCCAGCAGGC GCTCGCCGAG CTTGCCAAGC CCAAGGACGA CCCCACGCGC AAGCACGTCT    420
GCGTGCAAGT GGCTCCGGCC GTTCGTGTCT CTATTGCCGA GACCCTGGGC CTGGCGCCGG    480
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TTGACACGCT GTTTGGCGCC GACCTGACCA TCATGGAGGA GGGCAGCGAG CTGCTGCACC    600
GCCTCACCAG GCACCTGGAG GCGCACCCGC ACTCCGACGA GCGGCTGCCC ATGTTACCA    660
GCTGCTGCCC CGGTGGGATC GCTATGCTGG AGAAATCTTA CCCGGACCTG ATCCCCTACG    720
TGAGCAGCTG CAAGAGCCCC CAGATGATGC TGGCGGCCAT GGTCAAGTCC TACCTAGCGG    780
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AGAAGTCCAC GCTGCGCGCG AGCCACGAGA ACCCGTCCAT CCGCGAGCTG TACGACACGT   1560
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GCGGCGTGGA GGAGAAGGAC GAGAAGAAGT GAGGAGCGCC AGAGGCTCTT TGGGCGGAGA   1680
CAGCTTCAAA GCGAGGGGGC GTATTAGCAG TACCGTAAAT ATGCACTGAT GGGTGATGCG   1740
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GAGTGGTGTC ACAGCATGGG GCACGTGTGC GGAGGCCAGT AGGCTGTTCA CTGCACGCTG   1860
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GATGCATTGC AAACGCCTGT AAAAGAACGG CATAGCTACT AGAECTCTG ATGTGGACCC   2340
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<212> Type : PRT
 <211> Length : 2399
 SequenceName : Sequence # 8
 SequenceDescription :

Sequence

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<213> OrganismName : Chlorella fusca
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atcgcgcaaa tcgcctccgc tgttcgtgtc gctattgtcg agaccattgg cttggcccca    300
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00MEL1-Sequence Data on CRF.WorkFile

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<212> Type : RNA

<211> Length : 2421

SequenceName : Sequence # 9

SequenceDescription :